

GenCore Version 4.5  
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OM protein - protein search, using sw model  
 Run on: March 1, 2001, 15:49:22 ; search time 140.11 seconds  
 (without alignments)  
 5.767 Million cell updates/sec

Title: US-09-331-631A-1-COPY\_29\_73  
 Perfect score: 252  
 Sequence: 1 SEFDQVEECKRQCMOLET.....RCVSOQDKRFEEDIDWSKYD 45  
 Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5  
 Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0  
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Issued\_Patents\_AN: \*

1: /cgn2\_6/ptodata/2/1aa/5A\_COMB.pep: \*  
 2: /cgn2\_6/ptodata/2/1aa/5B\_COMB.pep: \*  
 3: /cgn2\_6/ptodata/2/1aa/6\_COMB.pep: \*  
 4: /cgn2\_6/ptodata/2/1aa/pcmus\_COMB.pep: \*  
 5: /cgn2\_6/ptodata/2/1aa/backfile1.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query	Length	DB ID	Description
1	76.5	30.4	587	1 US-07-955-905A-23	Sequence 23, Appl
2	70.5	28.0	566	1 US-07-955-905A-2	Sequence 2, Appl
3	70.5	28.0	566	1 US-07-955-905A-22	Sequence 22, Appl
4	67	26.6	218	3 US-08-985-5261	Sequence 1, Appl
5	67	26.6	239	4 PCT-US93-01652-1	Sequence 1, Appl
6	67	26.6	441	3 US-08-985-526-3	Sequence 3, Appl
7	67	26.6	1170	1 US-08-313-288B-20	Sequence 20, Appl
8	59.5	23.6	2710	2 US-08-568-459A-12	Sequence 12, Appl
9	59.5	23.6	2710	2 US-08-487-826B-12	Sequence 12, Appl
10	59.5	23.6	3060	2 US-08-487-826B-14	Sequence 14, Appl
11	55	21.8	816	1 US-08-190-802A-54	Sequence 54, Appl
12	53.5	21.2	450	1 US-08-112-939B-1	Sequence 1, Appl
13	52.5	20.8	1172	1 US-08-313-288B-19	Sequence 19, Appl
14	52	20.6	34	2 US-08-822-5561-1	Sequence 1, Appl
15	51.5	20.4	126	1 US-08-044-547-3	Sequence 3, Appl
16	51.5	20.4	147	1 US-08-044-547-1	Sequence 1, Appl
17	50.5	20.0	94	3 US-09-147-550-31	Sequence 31, Appl
18	50.5	20.0	94	3 US-09-147-550-36	Sequence 36, Appl
19	49.5	19.6	79	2 US-08-465-380-8	Sequence 8, Appl
20	49.5	19.6	79	2 US-08-480-478-37	Sequence 37, Appl
21	49.5	19.6	79	2 US-08-486-397-8	Sequence 8, Appl
22	49.5	19.6	79	2 US-08-486-399-8	Sequence 8, Appl
23	49.5	19.6	79	2 US-08-461-965-8	Sequence 8, Appl
24	49.5	19.6	79	2 US-08-326-110A-37	Sequence 37, Appl
25	49.5	19.6	79	2 US-08-634-641-8	Sequence 8, Appl
26	49.5	19.6	79	3 US-09-249-471-8	Sequence 8, Appl
27	49.5	19.6	79	3 US-09-249-472-8	Sequence 8, Appl
28	49.5	19.6	79	3 US-09-451-8	Sequence 8, Appl

**ALIGNMENTS**

RESULT 1 US-07-955-905A-23

; sequence 23, Application US/07955905A  
 ; Patent No. 5770433

; GENERAL INFORMATION:

; APPLICANT: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND

; TITLE OF INVENTION: PRECURSOR

; NUMBER OF SEQUENCES: 28

; COMPUTER READABLE FORM:

; MEDIUM TYPE: FLOPPY disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/955, 905A

; FILING DATE: 21-JAN-1993

; CLASSIFICATION: 435

; INFORMATION FOR SEQ ID NO: 23:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 587 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; ORIGINAL SOURCE:

; ORGANISM: Gossypium hirsutum

; FEATURE:

; NAME/KEY: Protein

; LOCATION: 1..587

; OTHER INFORMATION: /note= "Vicilin from G. hirsutum"

US-07-955-905A-23

Query Match 30.4% ; Score 76.5; DB 1; Length 587;  
 Best Local Similarity 41.7%; Pred. No. 0.064; Mismatches 12; Indels 1; Gaps 1;

Matches 15; Conservative 8; Mismatches 12; Indels 1; Gaps 1;

Qy 2 EFDQVEECKRQCMOLETSGMRRCVUSQCDKRFEE 37

Db 80 EDPQRVEECCQCRQEE-RQRPOCQCQRCIKRFEQ 114

RESULT 2 US-07-955-905A-2

; Sequence 2, Application US/07955905A  
 ; Patent No. 5770433

; GENERAL INFORMATION:

; APPLICANT:

; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND

; NUMBER OF SEQUENCES: 28

GENERAL INFORMATION:

ARTICULANT: MAXON, James A

TITLE OF INVENTION: CARRIER: DNA COMPLEXES CONTAINING DNA

TITLE OF INVENTION: ENCODING ANTI-ANGIogenic PEPTIDES AND THEIR USE IN GENE

TITLE OF INVENTION: THERAPY

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESSEE: Connolly, Bove, Lodge, & Mertz

STREET: 1220 Market Street, P.O. Box 2207

CITY: Wilmington

STATE: Delaware

COUNTRY: U.S.A.

ZIP: 18899

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/955, 905A

FILED DATE: 21-JAN-1993

CLASSIFICATION: 435

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 566 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-07-955-905A-2

Query Match 28.0%; Score 70.5; DB 1; Length 566;

Best Local Similarity 32.4%; Pred. No. 0; 33; Mismatches 11; Conservative 11; Indels 1; Gaps 1; Matches 11;

QY 5 RQEYECRKRCMQLER-SGQMRCVSVSQCDKRFEE 37

Db 39 RQYEQCQRCERCEATEEREQOCEQRCEREQYKE 72

RESULT 3

US-07-955-905A-22

Sequence 22; Application US/07/955,905A

Patent No. 5,770433

GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: RECOMBINANT 47 AND 31 kD COCOA PROTEINS AND

NUMBER OF SEQUENCES: 28

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/955, 905A

FILED DATE: 21-JAN-1993

CLASSIFICATION: 435

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 566 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

ORIGINAL SOURCE:

ORGANISM: Theobroma cacao

FEATURE:

NAME/KEY: Protein

LOCATION: 1..566

OTHER INFORMATION: /note= "67 kd Precursor Protein"

US-07-955-905A-22

Query Match 28.0%; Score 70.5; DB 1; Length 566;

Best Local Similarity 32.4%; Pred. No. 0; 33; Mismatches 11; Conservative 11; Indels 1; Gaps 1; Matches 11;

QY 5 RQEYECRKRCMQLER-SGQMRCVSVSQCDKRFEE 37

Db 39 RQYEQCQRCERCEATEEREQOCEQRCEREQYKE 72

RESULT 4

US-08-985-526-1

Sequence 1; Application PC/US9301652

GENERAL INFORMATION:

APPLICANT: Bouck, Noel P

APPLICANT: Polverini, Peter J.

APPLICANT: Good, Deborah J.

APPLICANT: Frazier, William A.

TITLE OF INVENTION: Method and Composition for

TITLE OF INVENTION: Inhibiting Angiogenesis

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Tilton, Fallon, Lungmus & Chestnut

STREET: 100 South Wacker Drive, Suite 960

CITY: Chicago

STATE: Illinois

COUNTRY: USA

ZIP: 60606-4002

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/01652

FILED DATE: 19930222

RESULT 5

PCT-US93-01652-1

Sequence 1; Application PC/US9301652

GENERAL INFORMATION:

APPLICANT: Bouck, Noel P

APPLICANT: Polverini, Peter J.

APPLICANT: Good, Deborah J.

APPLICANT: Frazier, William A.

TITLE OF INVENTION: Method and Composition for

TITLE OF INVENTION: Inhibiting Angiogenesis

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Tilton, Fallon, Lungmus & Chestnut

STREET: 100 South Wacker Drive, Suite 960

CITY: Chicago

STATE: Illinois

COUNTRY: USA

ZIP: 60606-4002

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/01652

FILED DATE: 19930222











